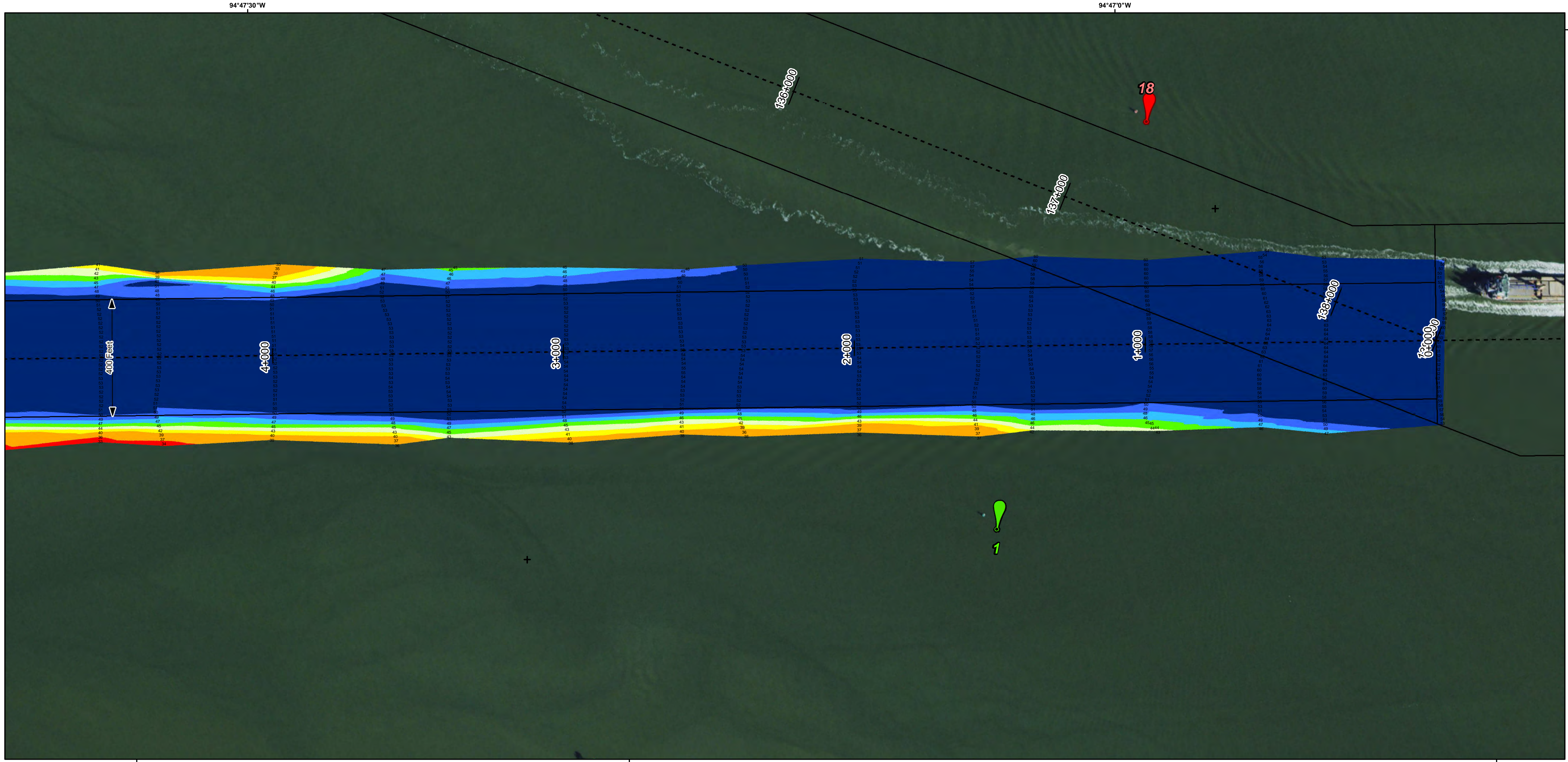
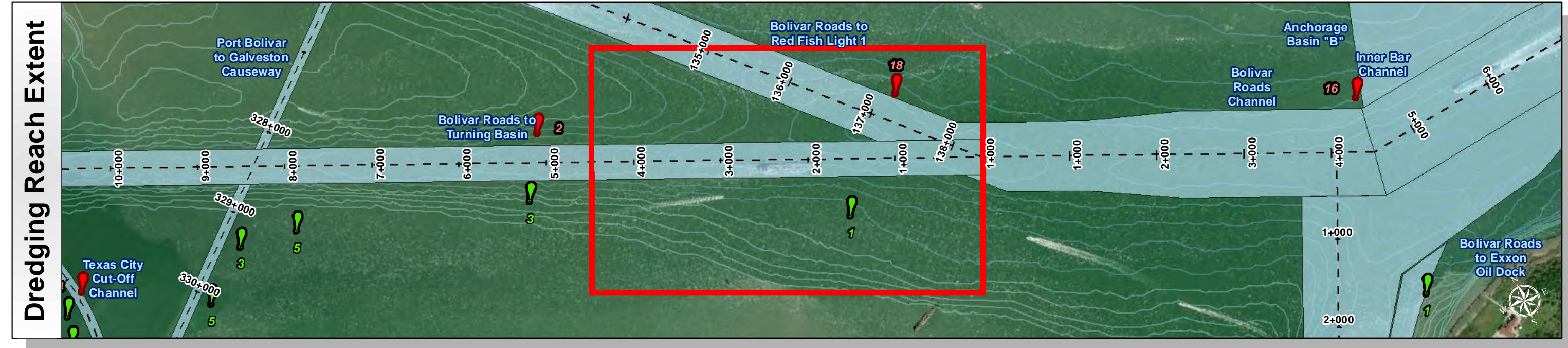


Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers
Galveston District



Survey Date(s): 06 February 2019	Authorized Depth: -46ft.
Page: 1 of 12	Side Slope Ratio: (Rise : Run)
Map:	Additional Imagery: © DigitalGlobe Inc.
Scale: 1:2,000	Print Date: 2/8/2019
Mapped by: MSAOX PAC	
Additional Info:	

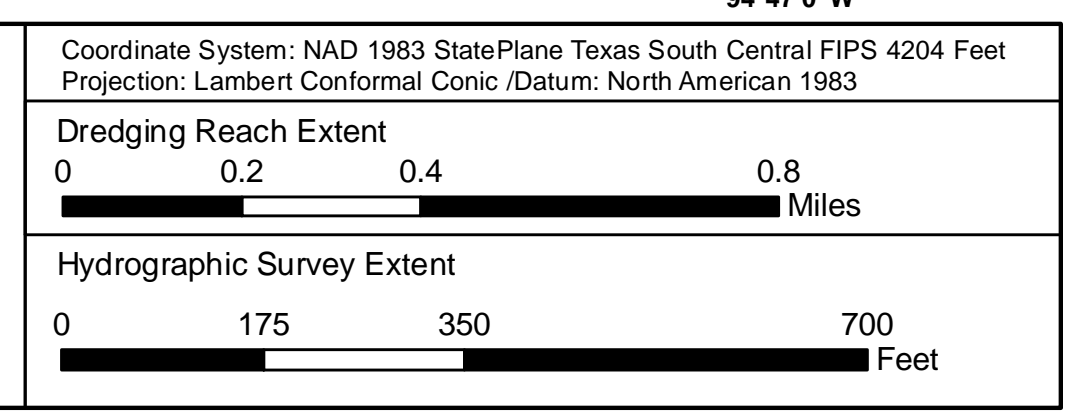
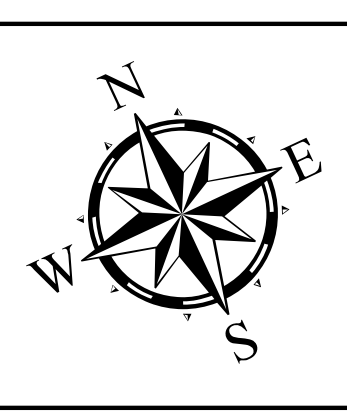
Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<p>NOAA Bathymetry (DREDGING REACH EXTENT)</p> <p>0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50</p>

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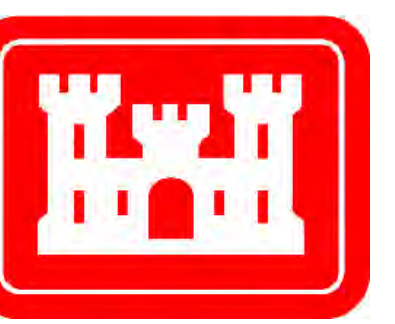
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



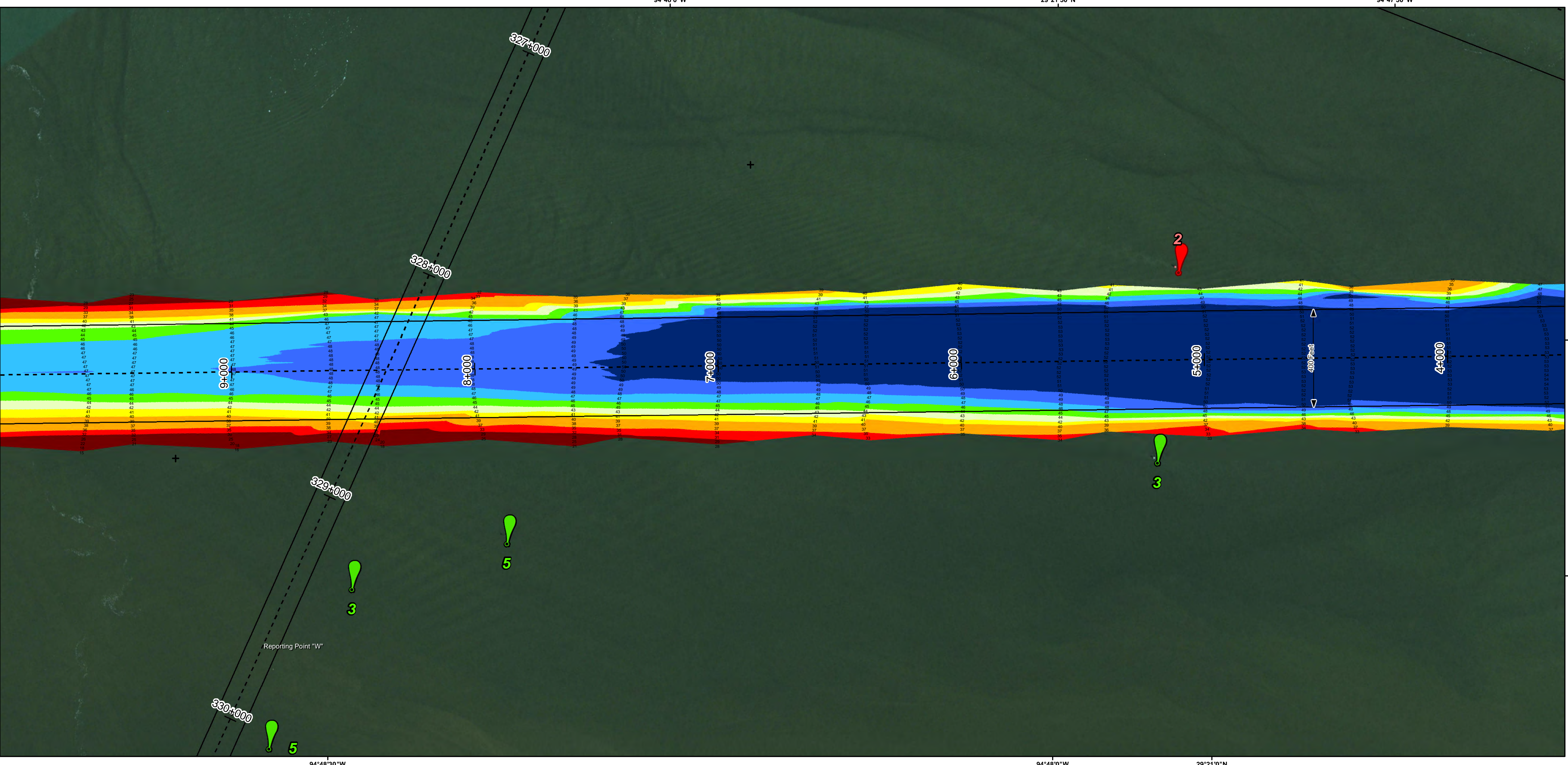
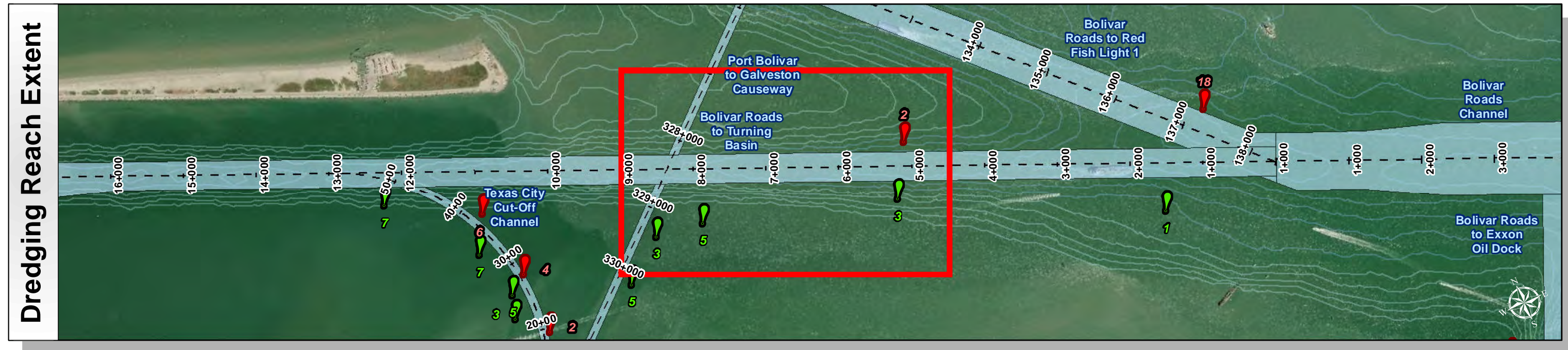
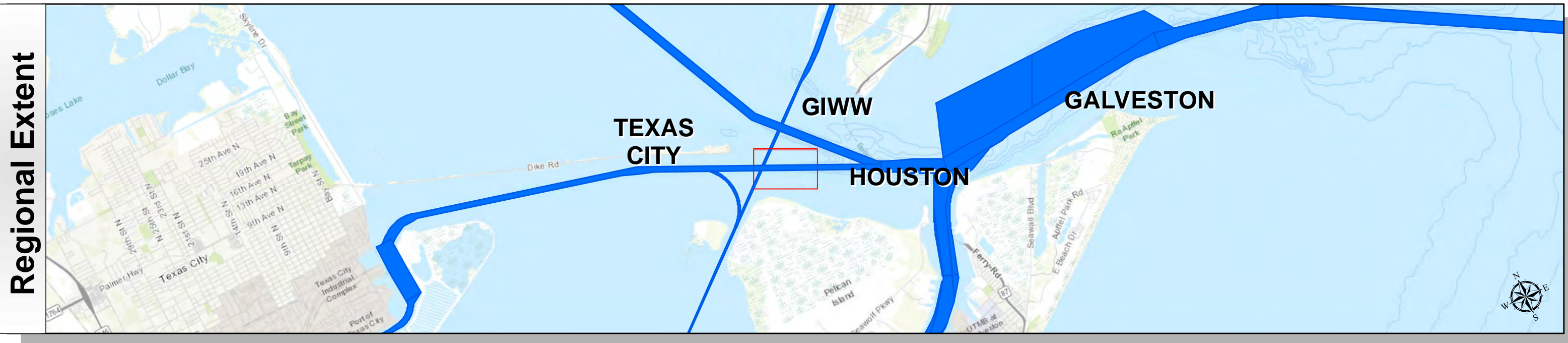
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 0+000 to 36+200.7
TEXAS CITY
TEXAS CITY, TEXAS

Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers
Galveston District

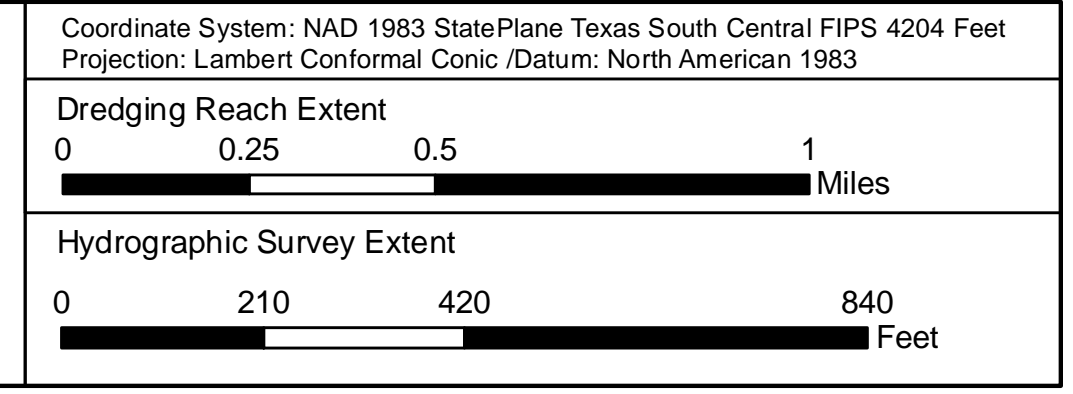
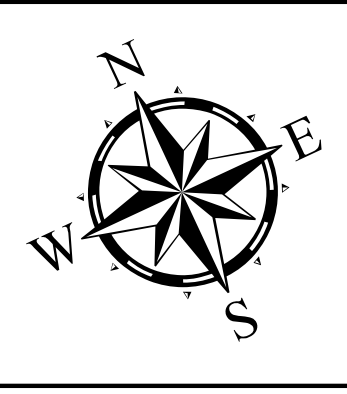


Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<p>0 - 30 30 - 35 35 - 40 40 - 42 42 - 44 44 - 46 46 - 48 48 - 50 50+</p> <p>NOAA Bathymetry (DREDGING REACH EXTENT) 0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50</p>

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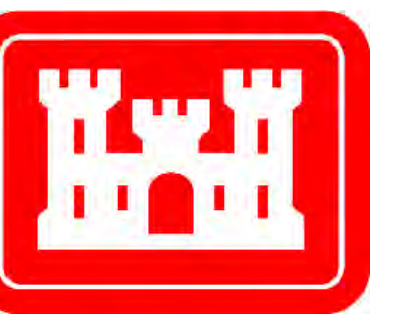


Survey Date(s): 06 February 2019	Authorized Depth: -46ft.
Page: 2 of 12	Side Slope Ratio: (Rise : Run)
Map:	Additional Imagery: © DigitalGlobe Inc.
Scale: 1:2,400	Print Date: 2/8/2019
Mapped by: MSAOX PAC	
Additional Info:	

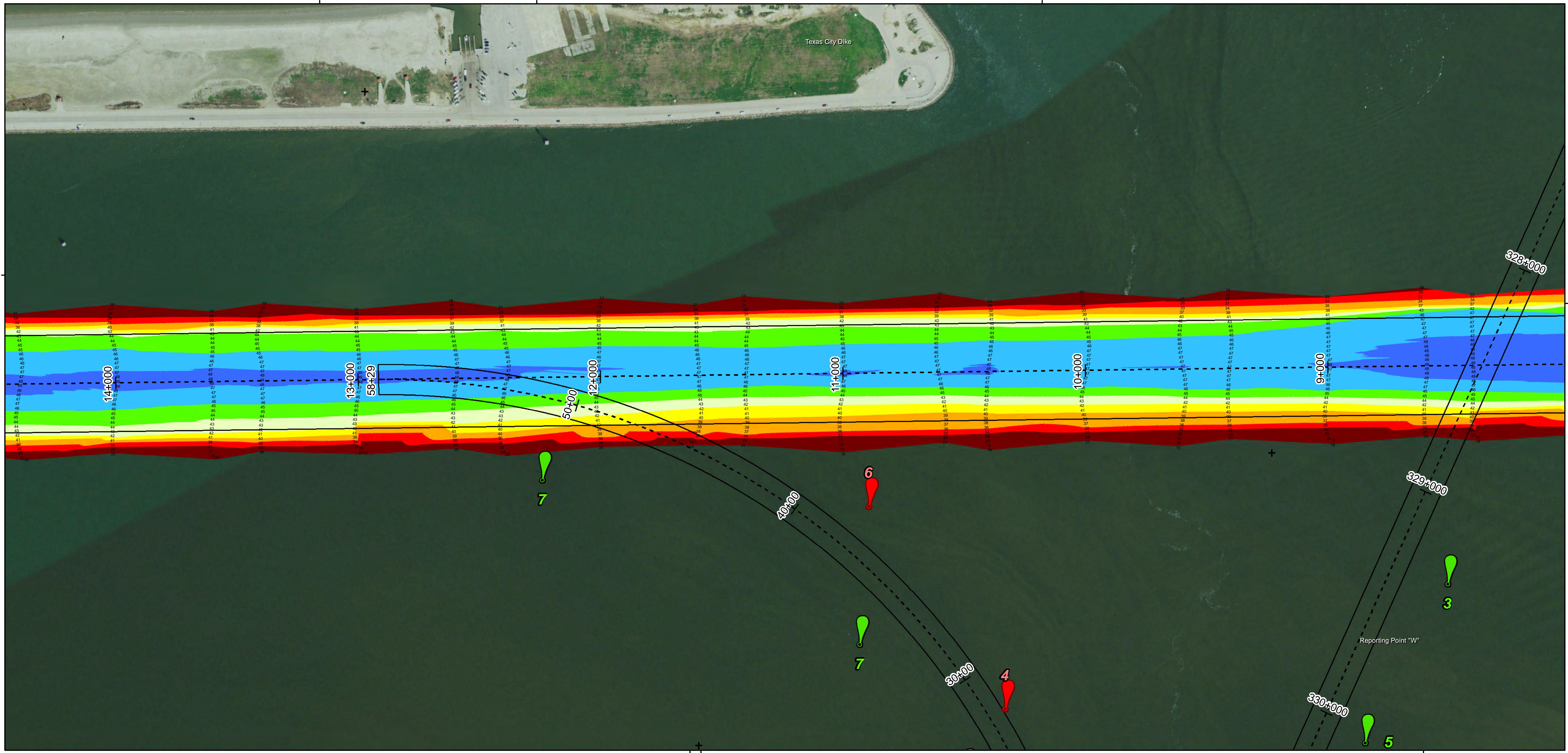
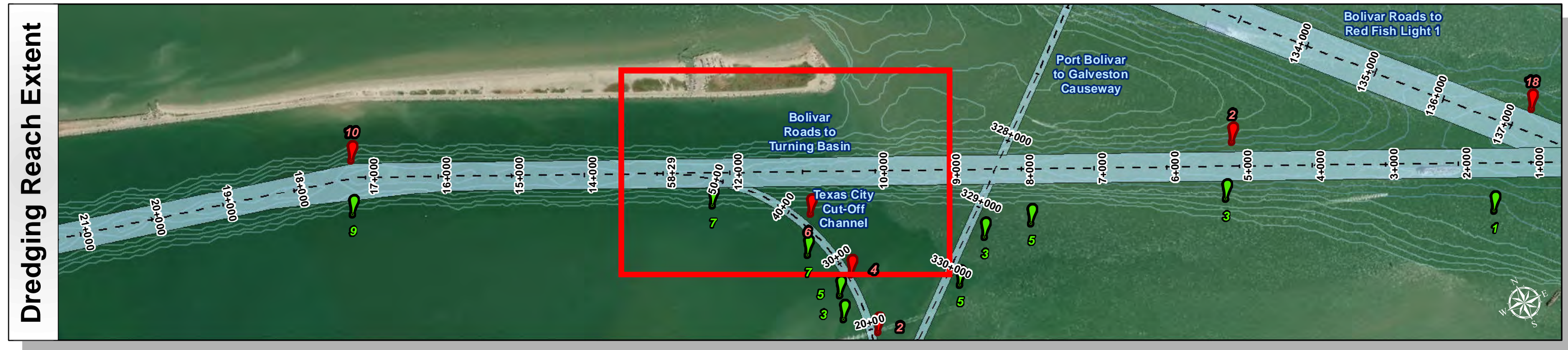
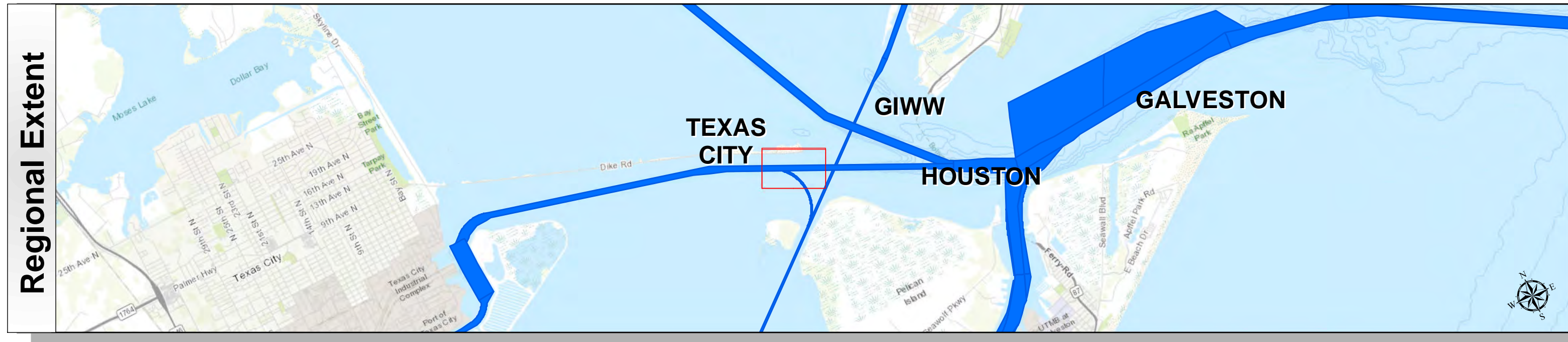
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 0+000 to 36+200.7
 TEXAS CITY
 TEXAS CITY, TEXAS

Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers
Galveston District



Survey Date(s): 06 February 2019	Authorized Depth: -46ft.
Page: 3 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1:2,400	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 2/8/2019
Additional Info :	

Channel Features

- Channel Toe
- Channel Center Line
- Channel Station Lines
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 30	30 - 35	35 - 40	40 - 42	42 - 44	44 - 46	46 - 48	48 - 50	50+
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NOAA Bathymetry (DREDGING REACH EXTENT)

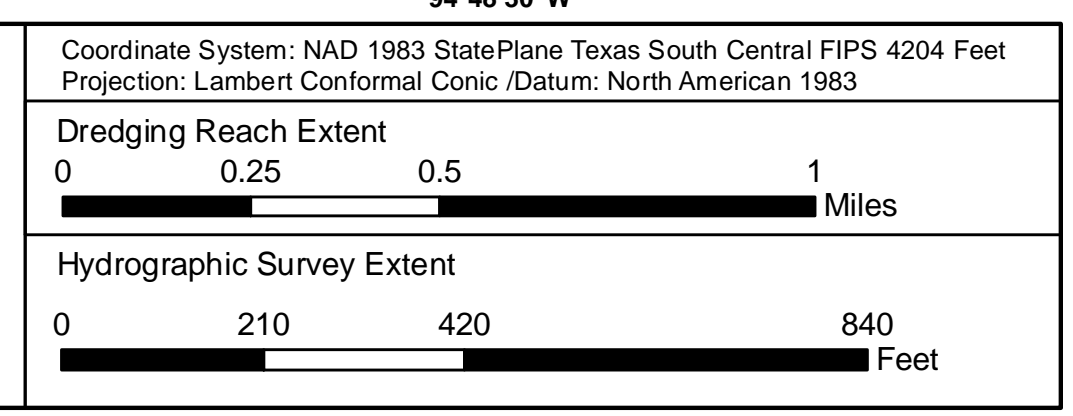
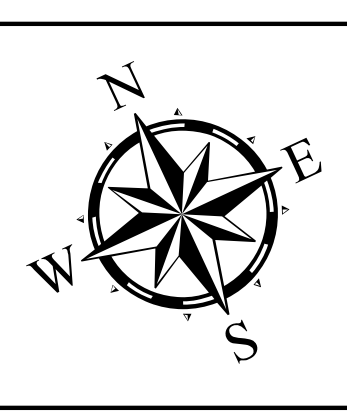
0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50
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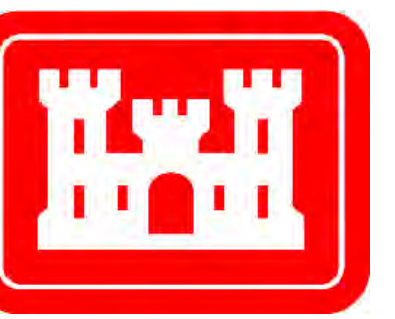
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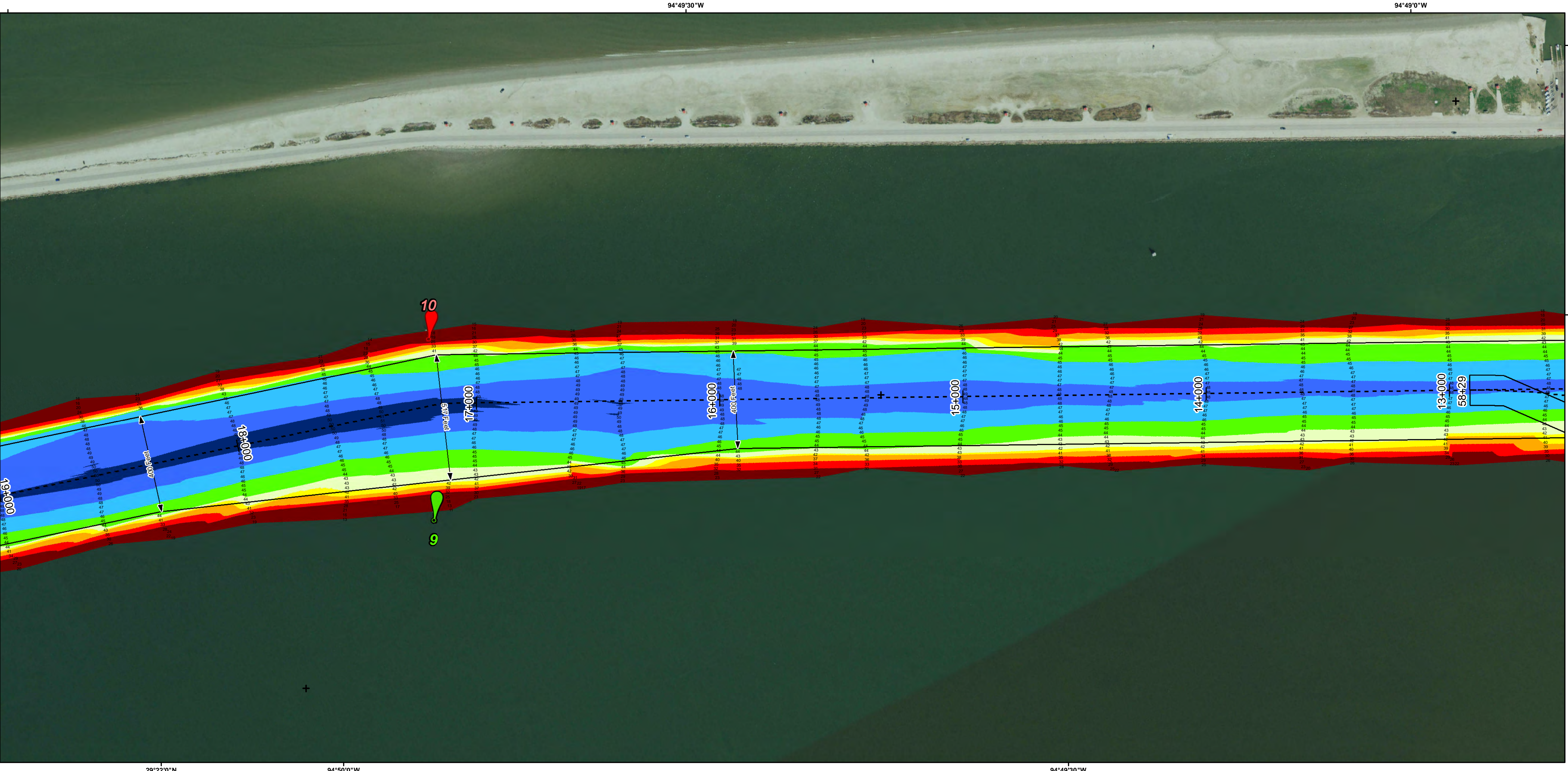
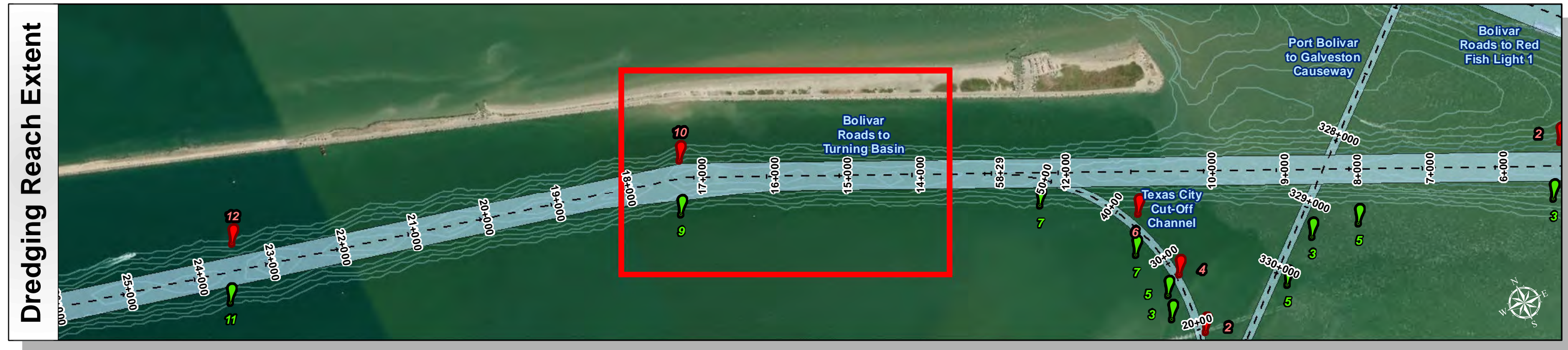
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 0+000 to 36+200.7
TEXAS CITY
TEXAS CITY, TEXAS

Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers
Galveston District

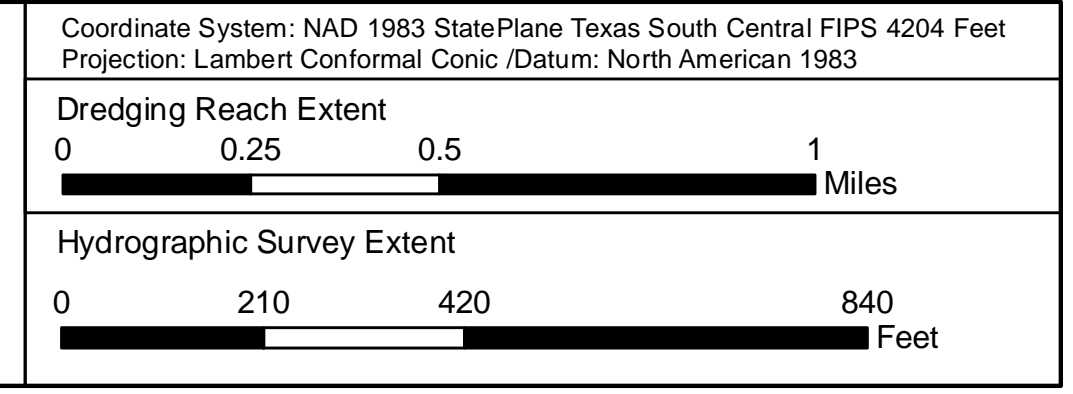
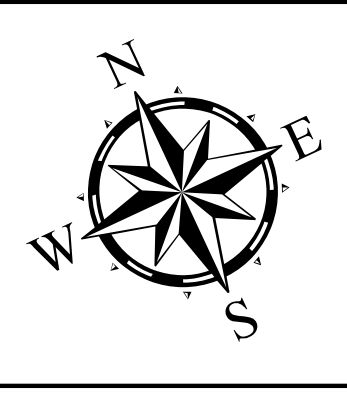


Channel Features	Aids to Navigation	MLLW															
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<table border="1"> <tr> <td>0 - 30</td> <td>30 - 35</td> <td>35 - 40</td> <td>40 - 42</td> <td>42 - 44</td> <td>44 - 46</td> <td>46 - 48</td> <td>48 - 50</td> <td>50+</td> </tr> </table> <p>NOAA Bathymetry (DREDGING REACH EXTENT)</p> <table border="1"> <tr> <td>0 - 10</td> <td>10 - 15</td> <td>15 - 20</td> <td>20 - 25</td> <td>25 - 30</td> <td>30 - 50</td> </tr> </table>	0 - 30	30 - 35	35 - 40	40 - 42	42 - 44	44 - 46	46 - 48	48 - 50	50+	0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50
0 - 30	30 - 35	35 - 40	40 - 42	42 - 44	44 - 46	46 - 48	48 - 50	50+									
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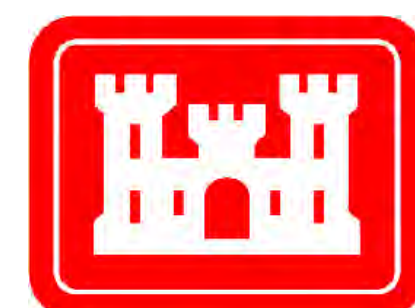


Survey Date(s): 06 February 2019	Authorized Depth: -46ft.
Page: 4 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1:2,400	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 2/8/2019
Additional Info:	

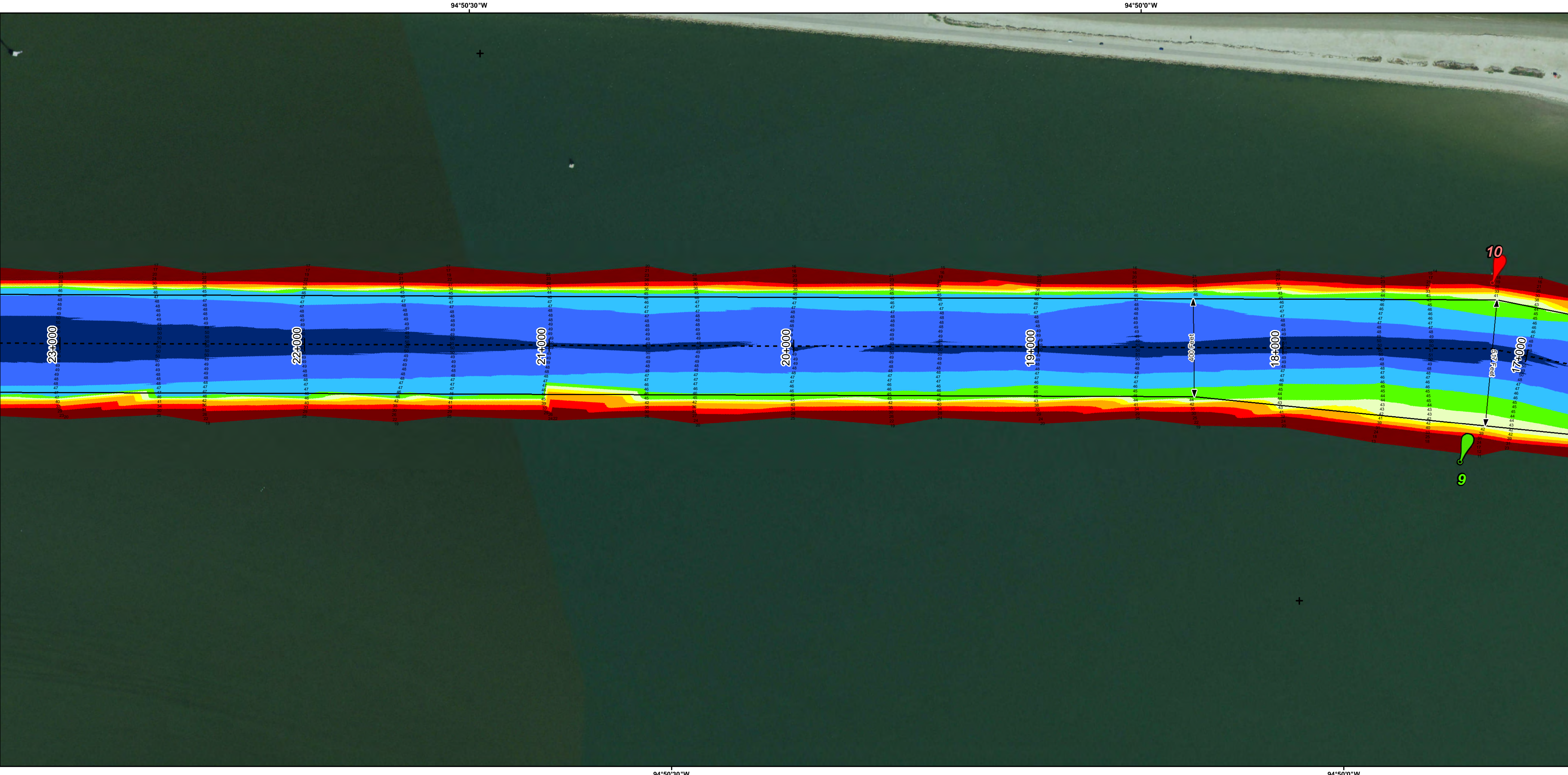
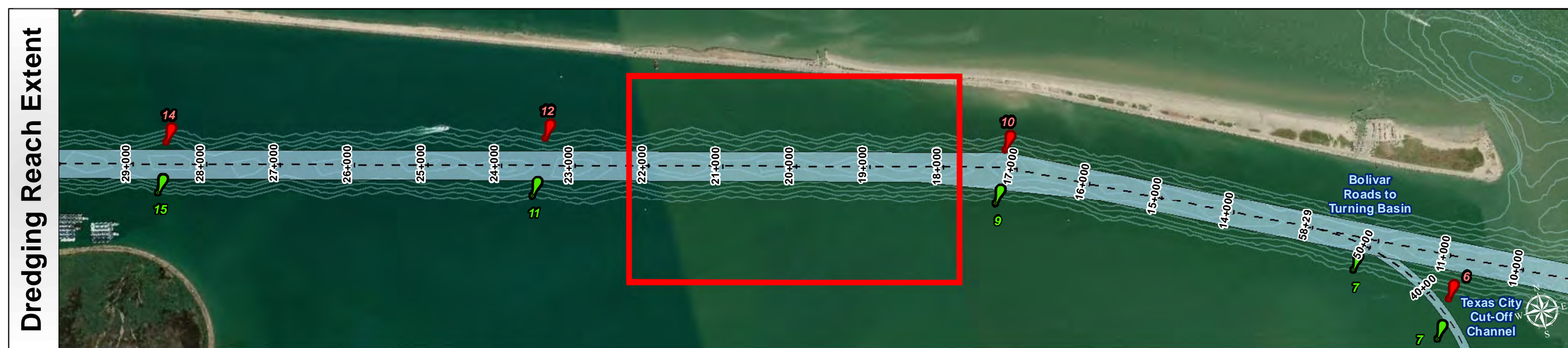
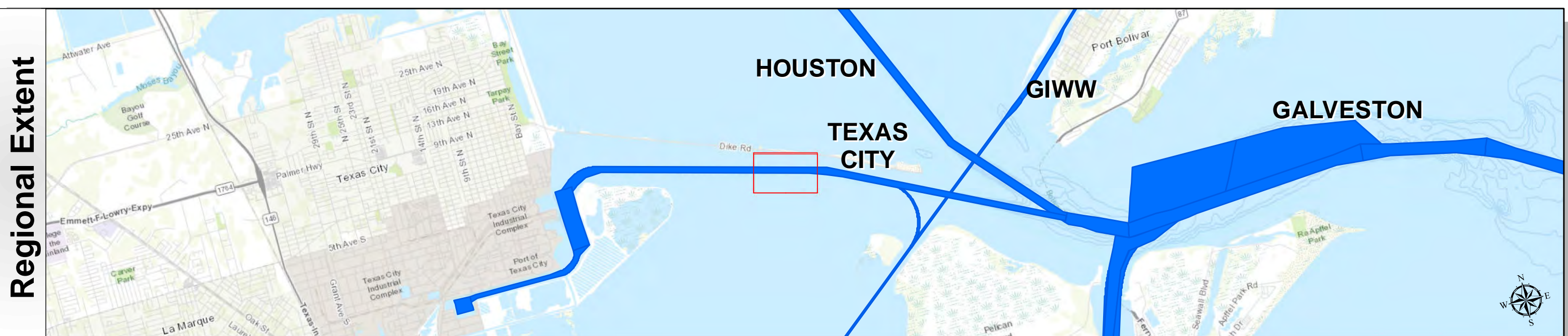
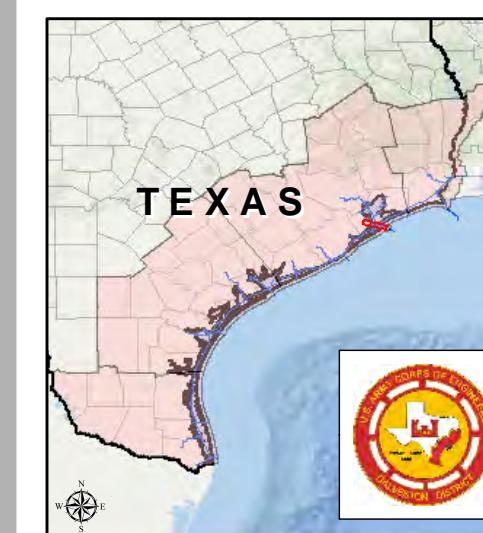
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 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 0+000 to 36+200.7
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Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers
Galveston District

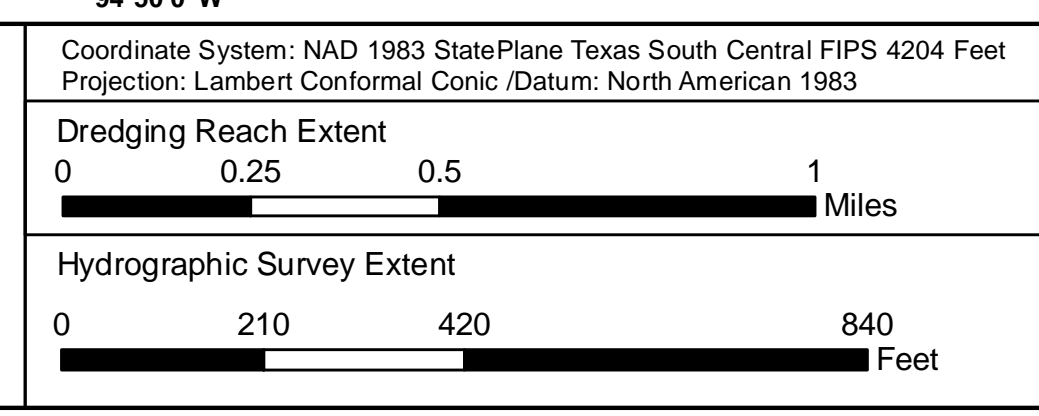
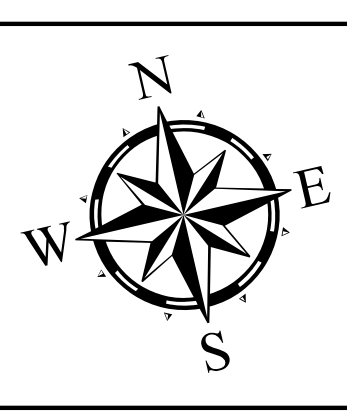


Channel Features	Aids to Navigation	MLLW
— Channel Toe	Green Side Aids	0 - 30 30 - 35 35 - 40 40 - 42 42 - 44 44 - 46 46 - 48 48 - 50 50+
- - - Channel Center Line	Red Side Aids	NOAA Bathymetry (DREDGING REACH EXTENT)
— Channel Station Lines	Lights	0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50
↔ Channel Dimensions		

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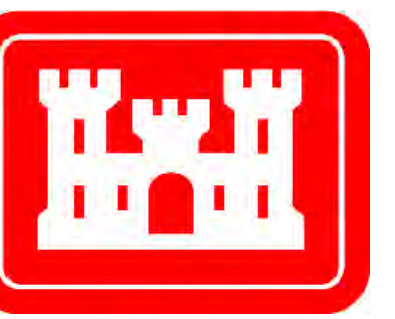


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Page: 5 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1:2,400	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 2/8/2019
Additional Info:	

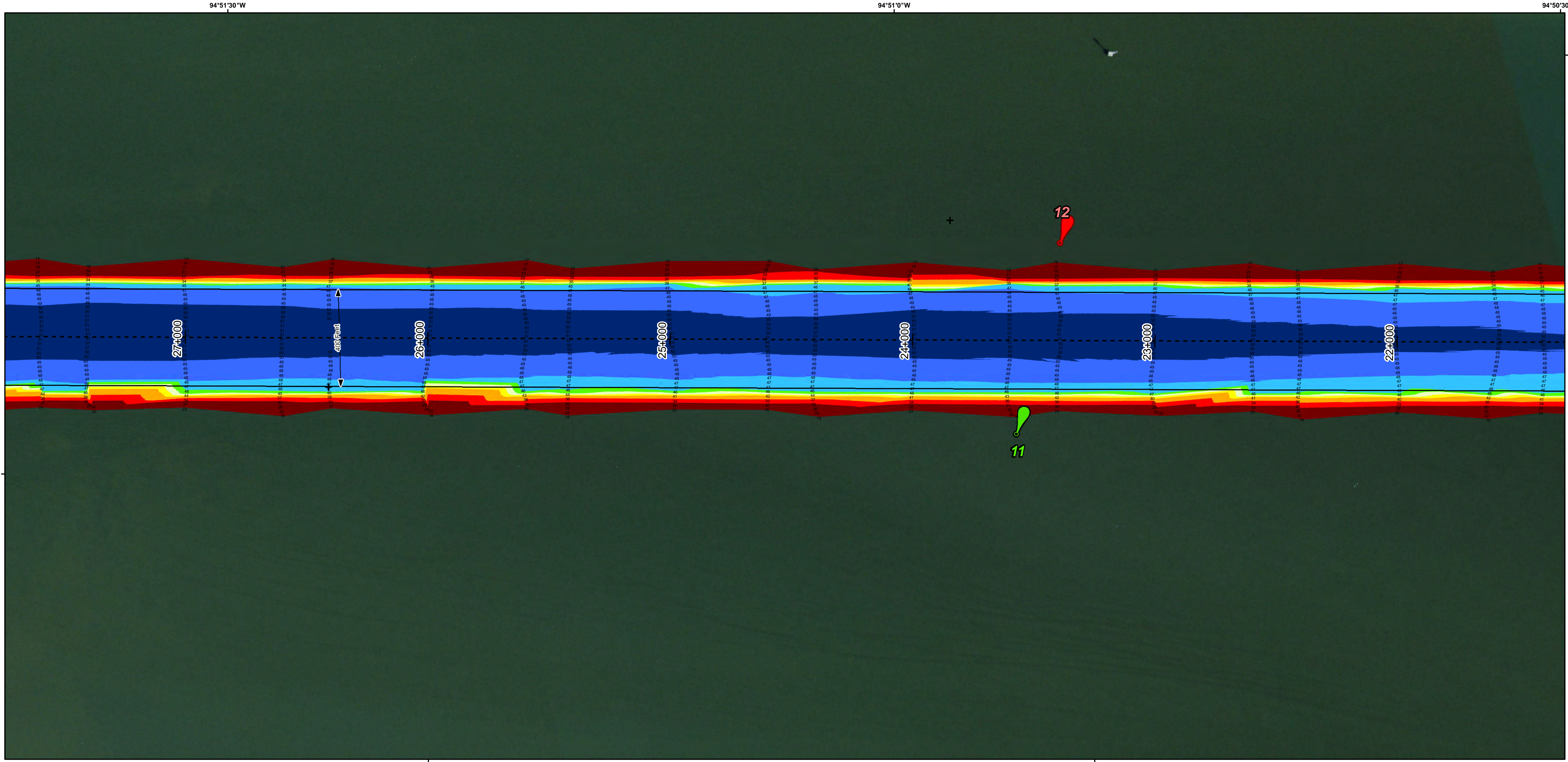
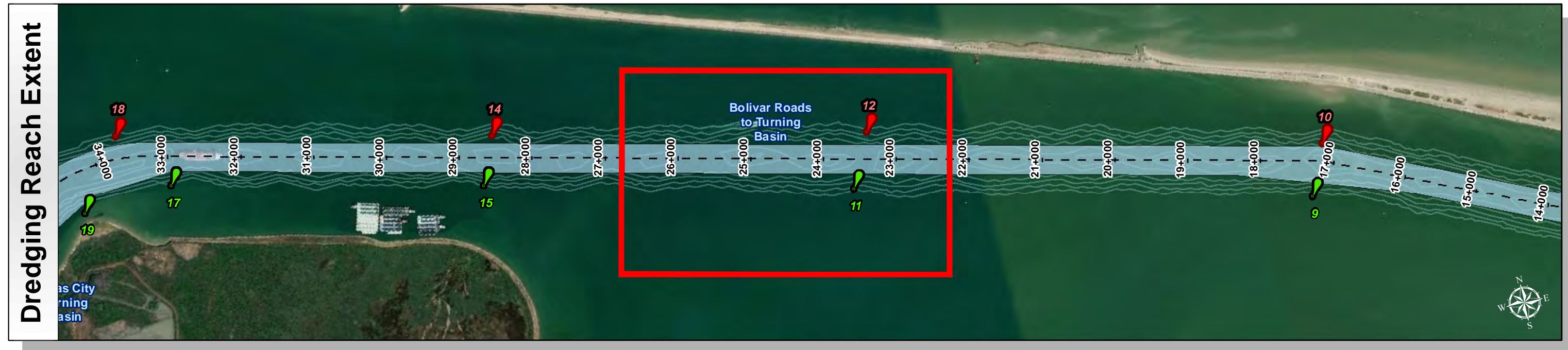
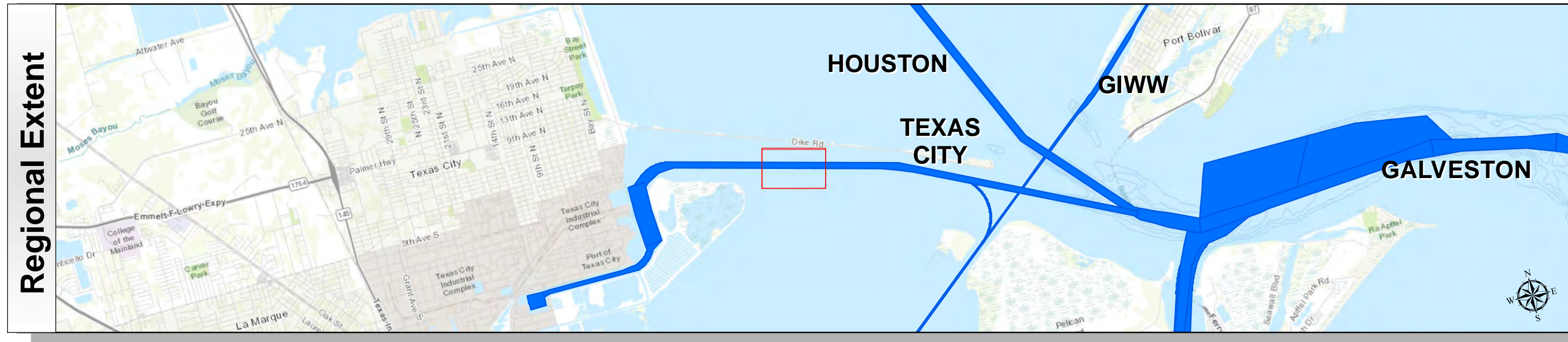
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 0+000 to 36+200.7
TEXAS CITY
TEXAS CITY, TEXAS

Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers
Galveston District



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Channel Features

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Aids to Navigation

- Green Side Aids
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MLLW

0 - 30	30 - 35	35 - 40	40 - 42	42 - 44	44 - 46	46 - 48	48 - 50	50+
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NOAA Bathymetry (DREDGING REACH EXTENT)

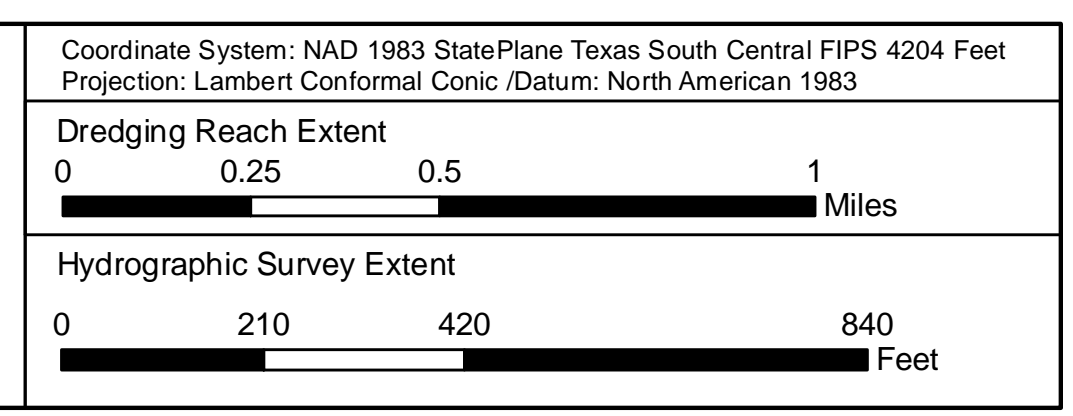
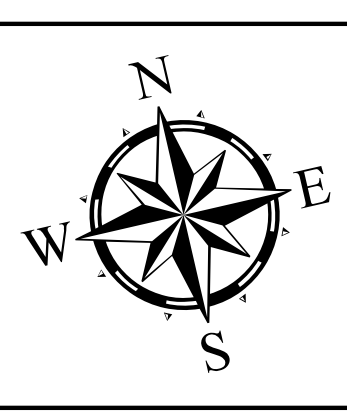
0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50
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NOTES:

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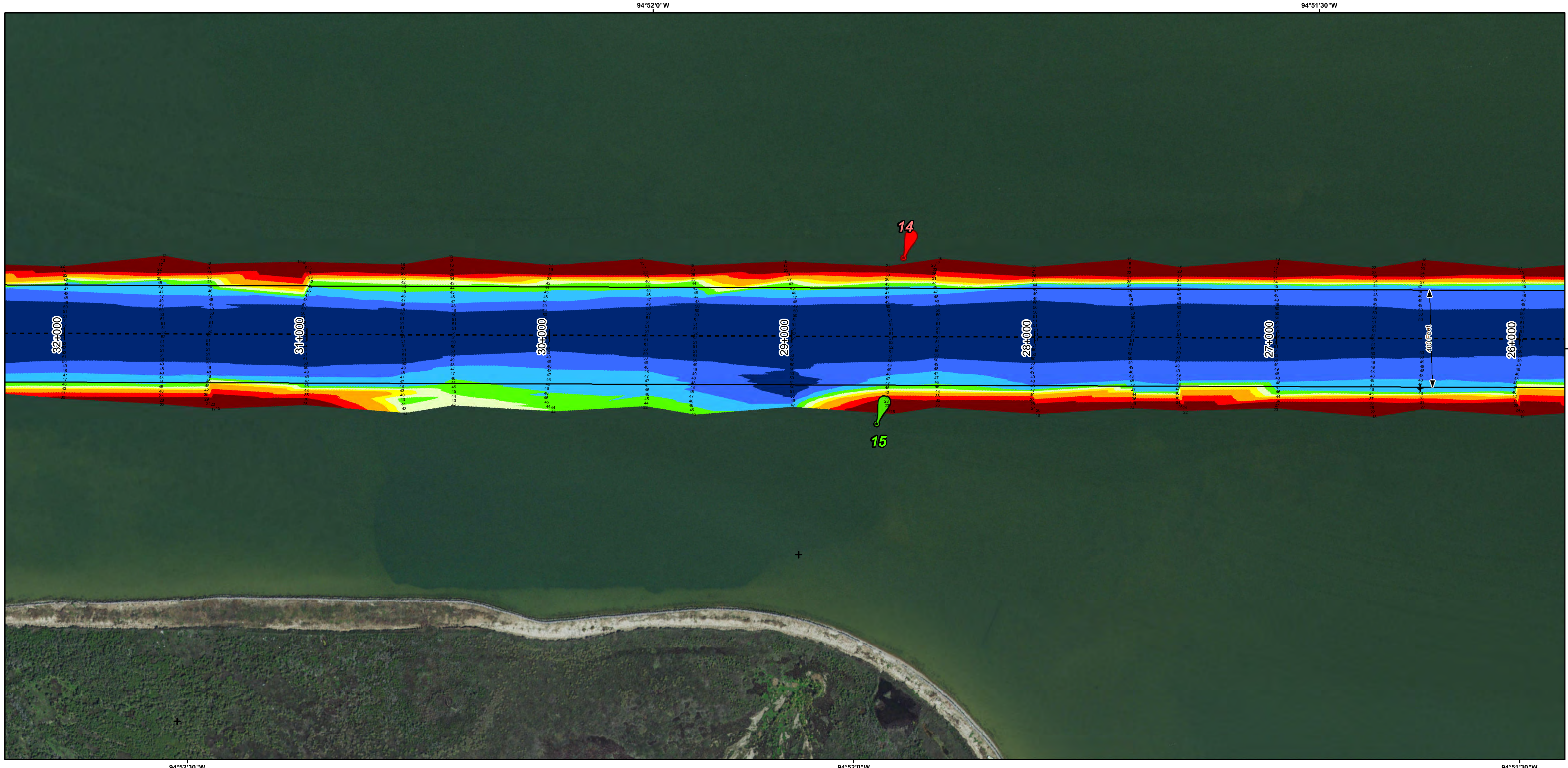
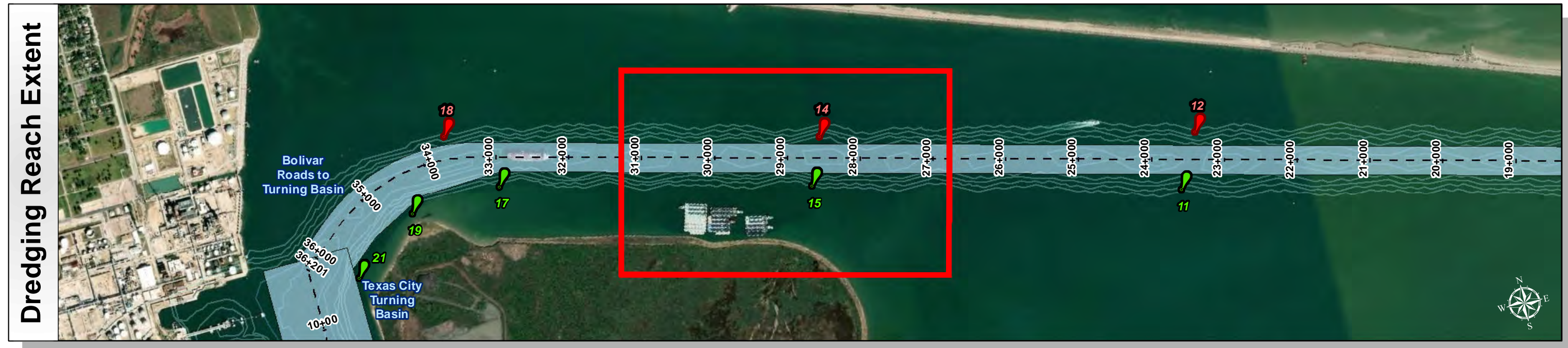
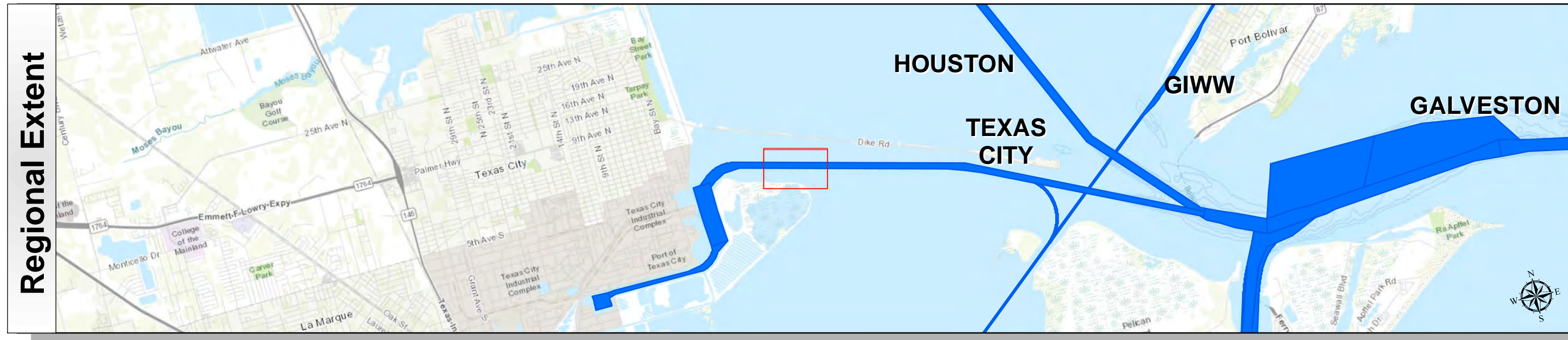
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 0+000 to 36+200.7
TEXAS CITY
TEXAS CITY, TEXAS

Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers
Galveston District

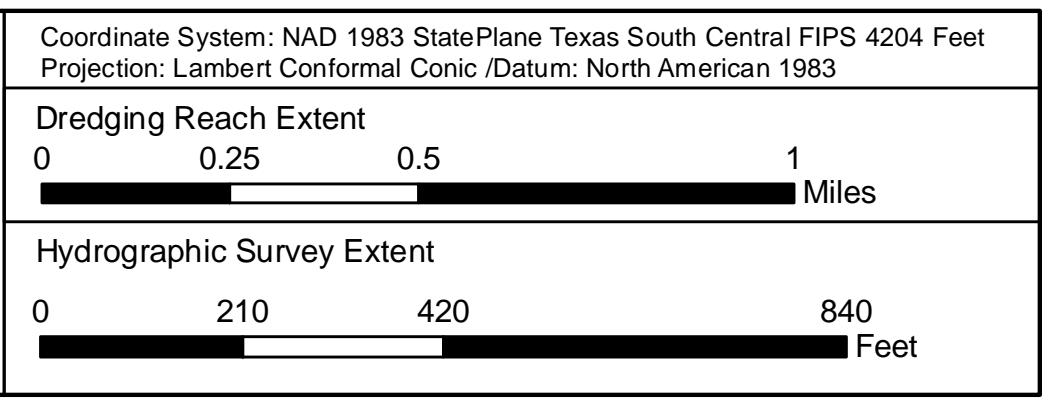
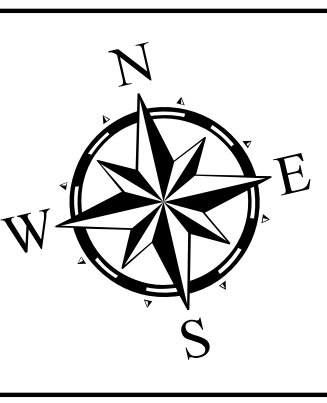


Channel Features	Aids to Navigation	MLLW
— Channel Toe	Green Side Aids	0 - 30 30 - 35 35 - 40 40 - 42 42 - 44 44 - 46 46 - 48 48 - 50 50+
- - - Channel Center Line	Red Side Aids	NOAA Bathymetry (DREDGING REACH EXTENT)
— Channel Station Lines	Lights	0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50
↔ Channel Dimensions		

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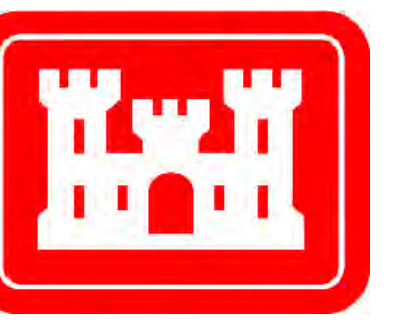
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Survey Date(s): 06 February 2019	Authorized Depth: -46ft.
Page: 7 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1:2,400	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 2/8/2019
Additional Info:	

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 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS
Station: 0+000 to 36+200.7
 TEXAS CITY
 TEXAS CITY, TEXAS

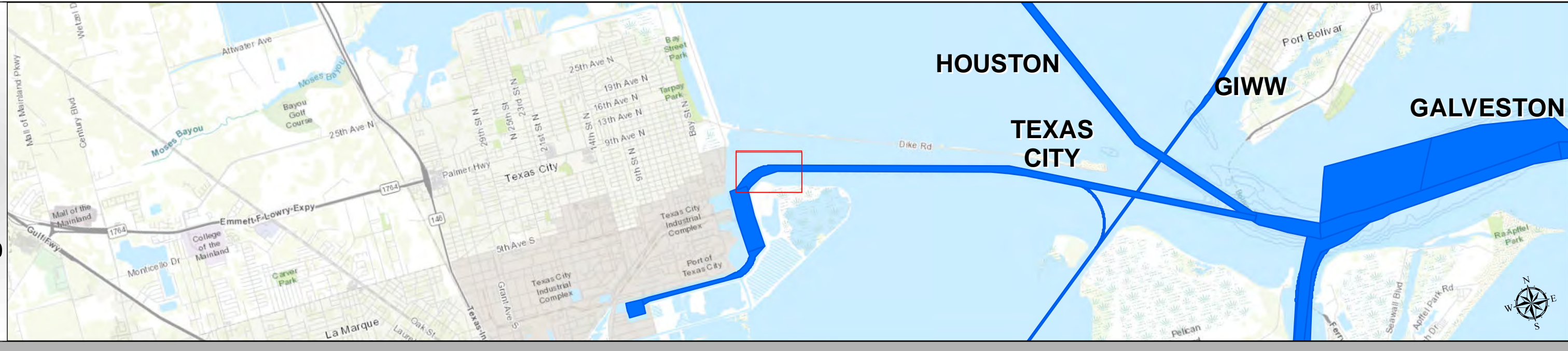
Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers
Galveston District



Regional Extent

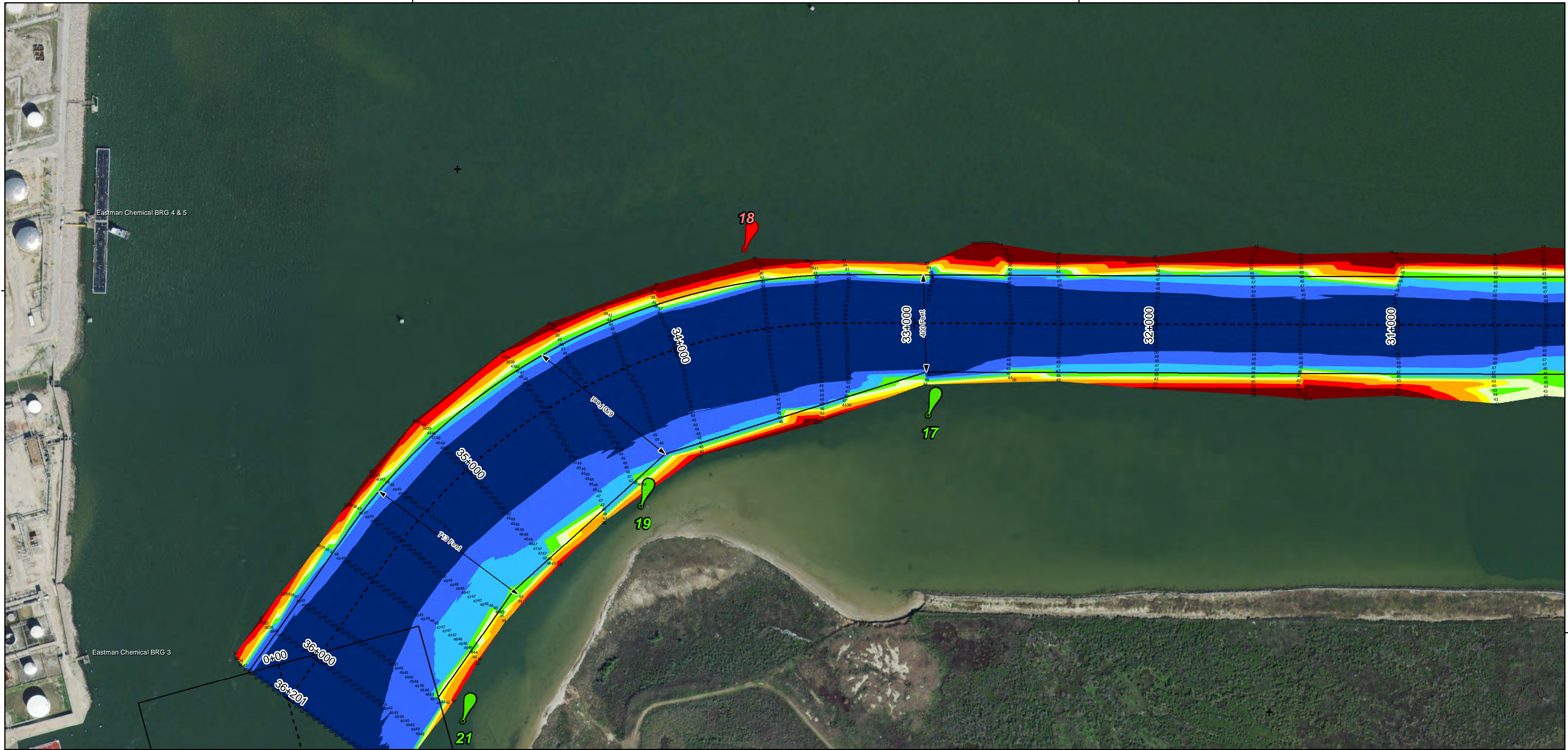


Dredging Reach Extent



94°53'0"W

94°52'30"W



Survey Date(s): 06 February 2019	Authorized Depth: -46ft.
Page: 8 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1:2,400	Additional Imagery: © DigitalGlobe Inc.
Map:	Print Date: 2/8/2019
Maped by: MSAOX PAC	Additional Info:

Channel Features

- Channel Toe
- Channel Center Line
- Channel Station Lines
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 30	30 - 35	35 - 40	40 - 42	42 - 44	44 - 46	46 - 48	48 - 50	50+
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NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50
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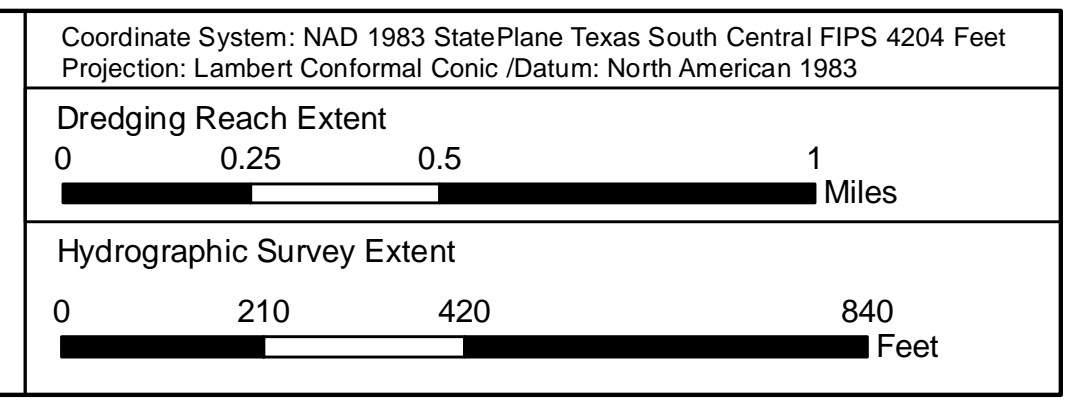
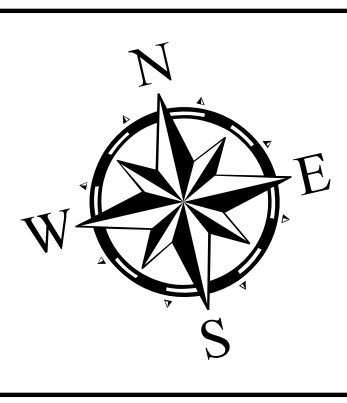
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